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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-MGluR1/5 Antibody [S75-33]

Mouse Anti-Rat mGluR1/5 Monoclonal IgG1
Catalog No. SMC-407



Discovery through partnership | Excellence through quality

Overview

Product Name

mGluR1/5 Antibody

Description

Mouse Anti-Rat mGluR1/5 Monoclonal IgG1

Species Reactivity

Human, Mouse, Rat

Applications

WB, IHC, IP

Antibody Dilution

WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Rat

Immunogen

Fusion protein amino acids 824-1203 (cytoplasmic C-terminus) of rat mGluR5b

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

S75-33

Isotype

IgG1

Specificity

Detects ~130kDa (both mGluR1 and mGluR5).

Cite This Product

Mouse Anti-Rat mGluR5 Monoclonal, Clone S75-33 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-407)

Certificate Of Analysis

1 µg/ml of SMC-407 was sufficient for detection of mGluR1/5 glutamate receptor in 20 µg of rat brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Glutamate receptor metabotropic 5,GPRC1E Antibody, GRM 5 Antibody, GRM5 Antibody, Metabotropic glutamate receptor 5 Antibody, Metabotropic glutamate receptor 5 variant F Antibody, Metabotropic glutamate receptor 5 variant G Antibody, Metabotropic glutamate receptor 5 variant H Antibody, mGlu5 Antibody, mGluR5 Antibody, mGluR5a Antibody, mGluR5b Antibody, Glutamate receptor metabotropic 1 Antibody, glutamate receptor Antibody, metabotropic 1 Antibody, GPRC1A Antibody, GRM 1 Antibody, GRM1 alpha Antibody, GRM1 Antibody, GRM1_HUMAN Antibody, GRM1A Antibody, Metabotropic glutamate receptor 1 Antibody, mGlu1 Antibody, mGluR1 alpha Antibody, mGluR1 Antibody, mGluR1A Antibody

Research Areas

Cancer, Cell Signaling, Glutamate Receptors, Metabotropic Glutamate Receptors (mGluR), Neuroscience, Neurotransmitter Receptors

Cellular Localization

Cell membrane

Accession Number

NP_058708.1

Gene ID

24418

Swiss Prot

P31424

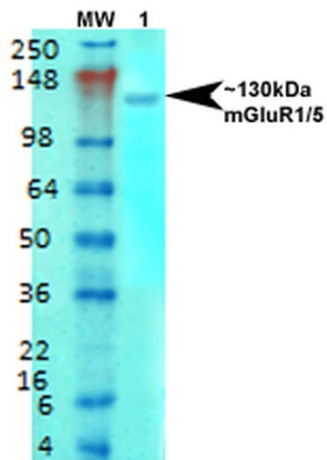
Scientific Background

The AMPA receptor is a non-NMDA-type ionotropic transmembrane receptor for glutamate that mediates fast synaptic transmission in the CNS. AMPARs are composed of four types of subunits, designated as GluR1, GluR2, GluR3 and GluR4, which combine to form tetramers (1,2).

References

1. Mayer M.L. (2005) Current Opinion in Neurobio. 15(3): 282-288.
 2. Keinane K., et al. (1990) Science. 249: 556-560.
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Product Images



Western Blot analysis of Rat brain membrane lysate showing detection of mGluR5 Glutamate Receptor protein using Mouse Anti-mGluR5 Glutamate Receptor Monoclonal Antibody, Clone S75-33 (SMC-407). Primary Antibody: Mouse Anti-mGluR5 Glutamate Receptor Monoclonal Antibody (SMC-407) at 1:1000.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.